

AP10 Rec'd PCT/PTO 27 DEC 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of:

Application No.: 10/523,167

ART UNIT: Not Yet Assigned

Applicant(s): Borran et al.

EXAMINER: Not Yet Assigned

Filed: January 27, 2005

Title: Method and Apparatus to Establish Constellations for Imperfect Channel
State Information at Receiver

Attorney Docket No.: 873.0115.U1(US)

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
(37 C.F.R. §1.97(c))

Dear Sir:

The following information is being disclosed to the U.S. Patent and Trademark Office as information that may be material to the examination of the above-identified patent application.

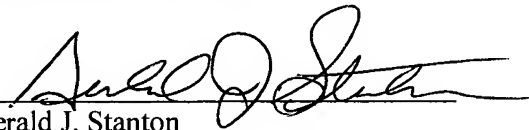
Enclosed is a Form PTO-1449, which lists the art not previously cited in the present U.S. patent application. Also enclosed are copies of the non-U.S. patent art cited in the search report for the Examiner's use. The references were made of record in/or cited by the Examiner for, commonly assigned U.S. Patent Application No. 10/607,406 entitled "Signal Constellations for Multi-Carrier Systems" by Mohammad Jaber Borran et al.

Serial No. 10/523,167

Art Unit: N/A

The filing of this Statement is not to be construed as a representation that a search has been made regarding the claimed invention (37 C.F.R. §1.97(g) or that no other possible material information exists. In addition, the filing of this Statement is not to be construed to be an admission that the information cited in the Statement is, or is considered to be, material to Patentability (37 C.F.R. §1.97(h)).

Respectfully submitted,


Gerald J. Stanton
Reg. No. 46,008

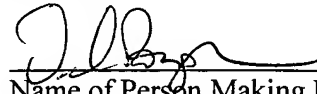
December 21, 2005

HARRINGTON & SMITH, LLP
4 Research Drive
Shelton, CT 06484-6212
Telephone: (203) 925-9400
Facsimile: (203) 944-0245
Email: gstanton@HSpatent.com
Customer No.: 29683

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail on the date shown below in an envelope addressed to: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

December 21, 2005
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DEC 27 2005

Page No.: 1 of: 1

**INFORMATION DISCLOSURE
CITATION FORM FOR
PATENT APPLICATION
(FORM PTO-1449)
(Substitute)**

Docket No.: 873.0115.U1(US)

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Group: Not Yet Assigned

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number (Number-Kind Code)	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant	Class	Sub-class
	US-2005/0094740	05-05-2005	Borran et al.	374	267
	US-2003/0076889	04-24-2003	Walker et al.	375	261
	US-6,081,555	06-27-2000	Olafsson	375	242
	US-5,822,371	10-13-1998	Goldstein et al.	375	242
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FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number (Country Code-Number-Kind Code)	Publication Date (MM-DD-YYYY)	Name Of Patentee of Applicant	Translation? Yes/No/n/a
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OTHER DOCUMENTS (Author (Capitalize), Title, Date, Pages, Etc., if known)

Examiner's Signature:

Date Considered:

Initial if reference was considered, whether or not citation is in conformance with MPEP. Mark through citation if not considered.
Include a copy of this citation form with your next correspondence to the Applicant(s).